

**Re: Gasco Field Test of Variable Frequency Drive Well Pumps****Sean Sheldrake** to: John Edwards

01/26/2011 10:26 AM

Cc: "Gladstone, Alan", "Dana Bayuk", "Ben Hung", "Carl Stivers", "John Edwards \\\(jedwards@anchorenv.com\\)", "James Peale", "Mike Crystal", "Michael Riley", "Patty Dost", PetersonLE, "Ryan Barth", "Wyatt, Robert", "T McCue"

Bob, John,

EPA has reviewed the January 24, 2011 proposal to test the variable frequency drive pumps at Gasco. A few more details would be helpful in preparation for our field oversight. Please elaborate on the following:

- The list of wells (pumping and monitoring) that have been selected for the VFD field testing.
- A general description of the PCL programming.
- Describe any manual water level monitoring that will be performed.
- Data to be recorded (levels, flow rates) and over what intervals.
- The length of the proposed pump testing as well as any deciding factors associated with the test length, such as testing VFD performance over a series of tidal influences.

Thank you.

S

Sean Sheldrake, RPM, Unit Diving Officer

USEPA, Region 10

Environmental Cleanup Office

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Region 10 Dive Team: <http://yosemite.epa.gov/r10/oea.nsf/webpage/dive+team>

Portland Harbor Cleanup: <http://yosemite.epa.gov/r10/cleanup.nsf/sites/ptldharbor>

Green Cleanups: <http://yosemite.epa.gov/R10/extaff.nsf/programs/greencleanups>

Green Cleanups (EPA only):

<http://204.47.216.153:9876/r10/infopage/cleanup.nsf/webpage/greener+cleanups>

Deliveries: Parking Garage mailroom (1st floor)

Visitors: Check-in @ PERC / Service Center on 12th floor:

<http://yosemite.epa.gov/r10/extaff.nsf/PERC/Visiting+Seattle>

Sean Sheldrake

Bob, John,

01/26/2011 09:53:28 AM

From: Sean Sheldrake/R10/USEPA/US

To: "John Edwards" <jedwards@anchoreqa.com>

Cc: "Gladstone, Alan" <AGLADSTONE@davisrothwell.com>, "Dana Bayuk" <BAYUK.Dana@deq.state.or.us>, "Ben Hung" <bhung@anchoreqa.com>, "Carl Stivers" <cstivers@anchoreqa.com>, "John Edwards \\\(jedwards@anchorenv.com\\)" <jedwards@anchoreqa.com>, "James Peale" <jpeale@maulfoster.com>, "Mike Crystal" (b) (6) "Michael Riley" <mriley@anchoreqa.com>, "Patty Dost" <pdost@pearllegalgroup.com>, PetersonLE@cdm.com, "Ryan Barth" <rbarth@anchoreqa.com>, "Wyatt, Robert" <rjw@nwnatural.com>, "T McCue" <tom.mccue@wacker.com>

Date: 01/26/2011 09:53 AM

Subject: Re: Gasco Field Test of Variable Frequency Drive Well Pumps

Bob, John,

The January 20, 2011 summary memorandum suggests that a complete analysis of the Gasco Capture



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Zone Field Test Plan data will not be available for EPA review prior to the draft EE/CA. EPA requires the complete analysis in a timelier manner in order to evaluate the conclusion made in the memorandum that the groundwater elevation was maintained below the river elevation in the offshore piezometers. EPA requests that the complete analysis of the test plan data be provided for review by February 28, 2011.

Thank you.

S

Sean Sheldrake, RPM, Unit Diving Officer

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"John Edwards"

[Hello Sean and Dana. Attached is a memo infor...](#)

01/24/2011 03:08:53 PM